

Figure 1.

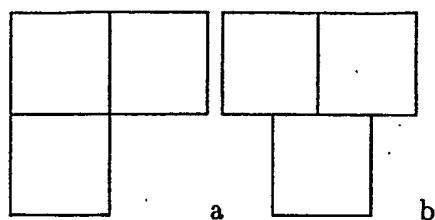


Figure 2

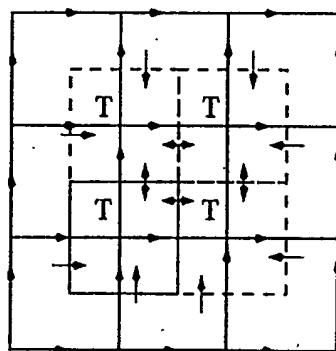


Figure 3

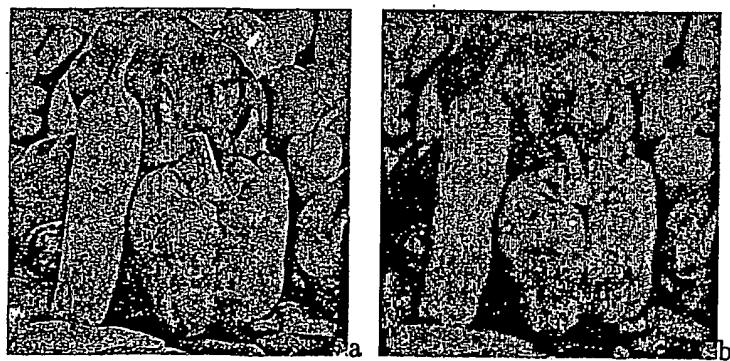


Figure 4

BEST AVAILABLE COPY

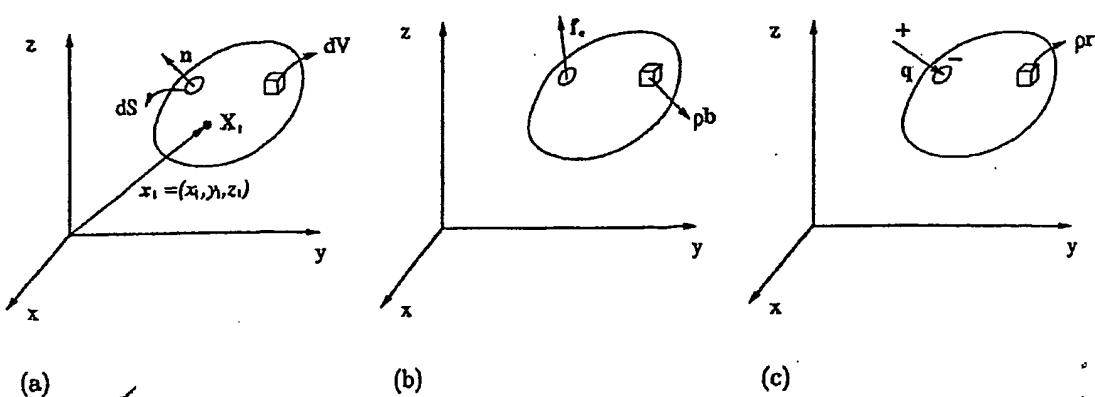


Figure 5

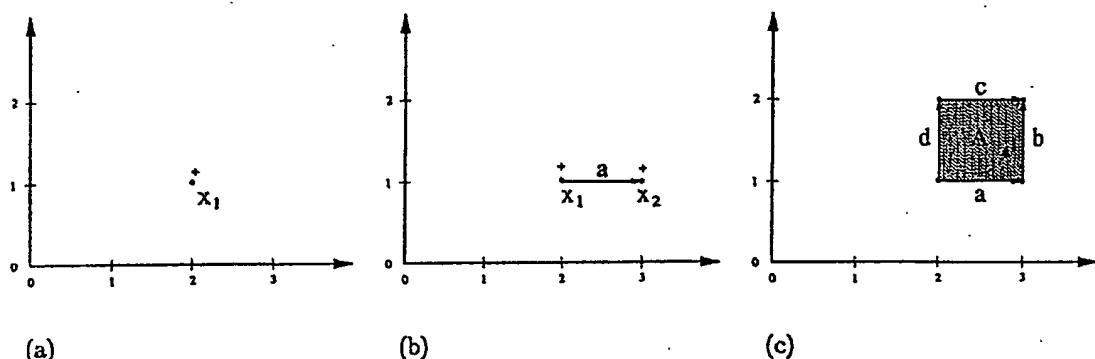


Figure 6

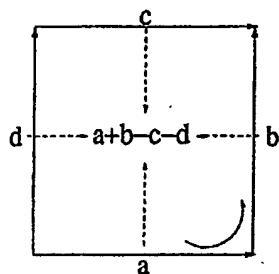


Figure 7

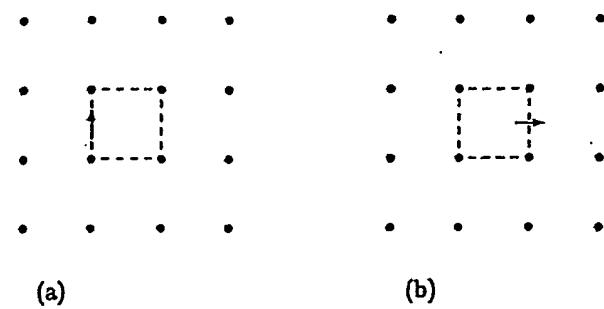
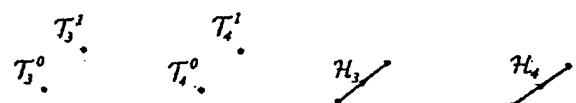
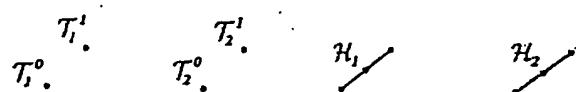


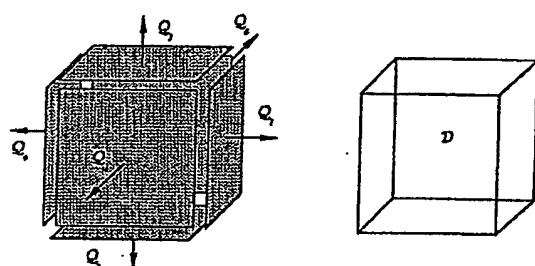
Figure 8



(a)

(b)

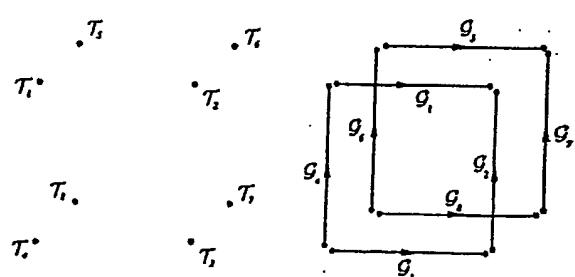
Figure 9



(a)

(b)

Figure 10



(a)

(b)

Figure 11

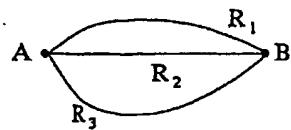


Figure 12

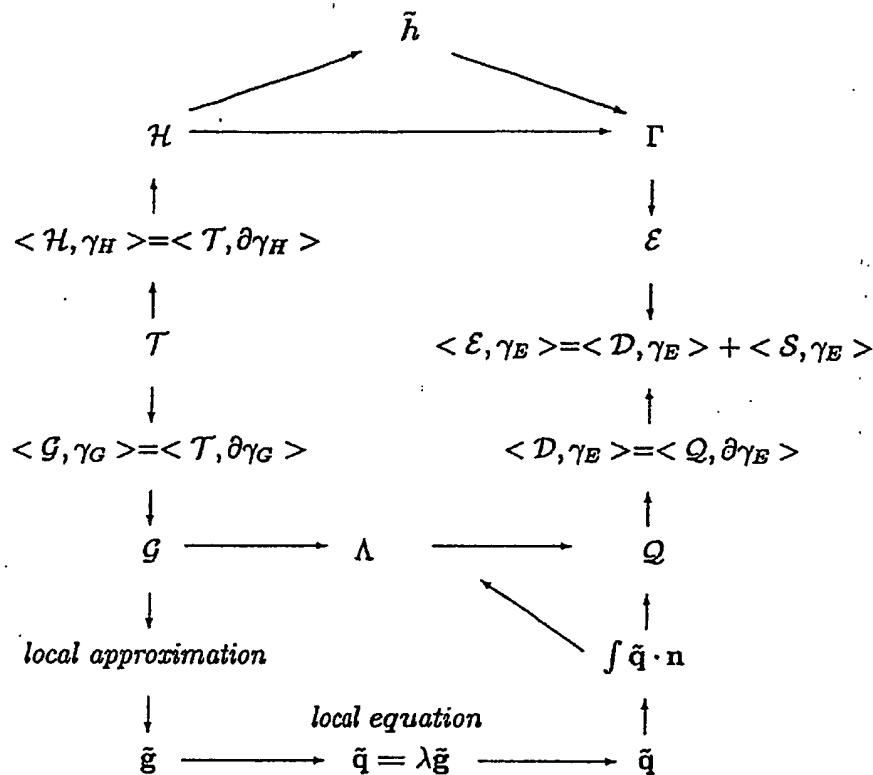


Figure 13

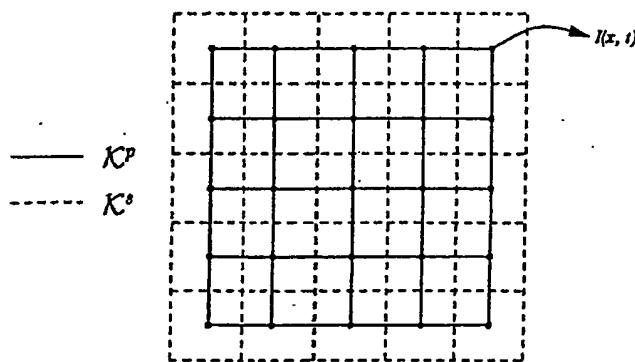


Figure 14

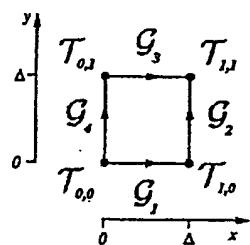


Figure 15

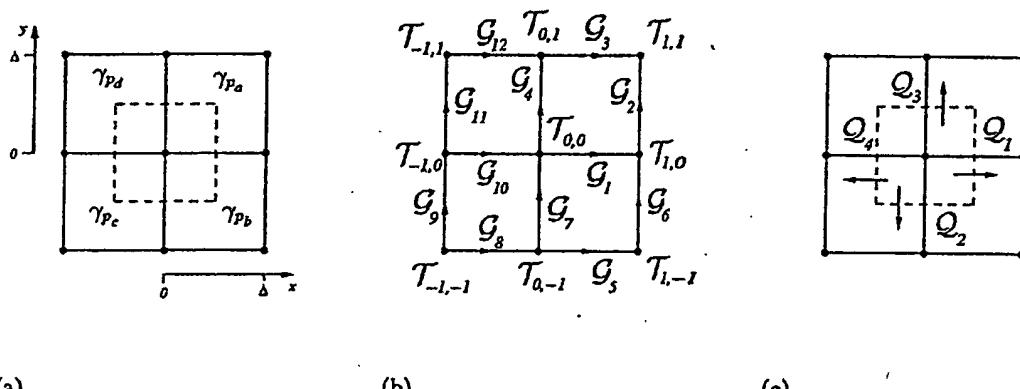


Figure 16

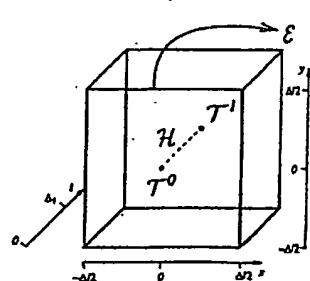


Figure 17

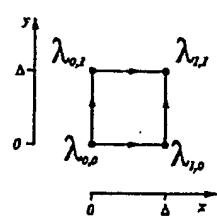


Figure 18

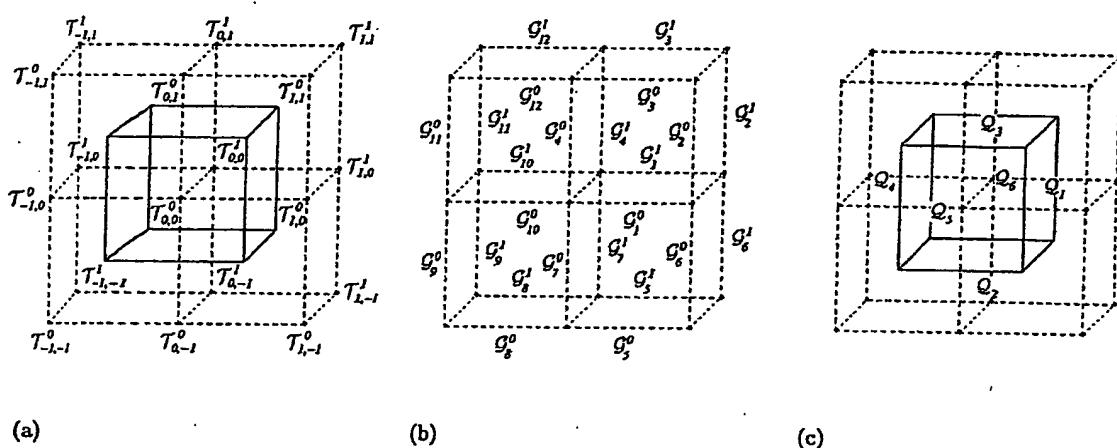


Figure 19

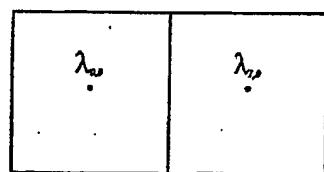


Figure 20

10 / 524323

PCT/CA2003/001214

WO 2004/015631

7/37

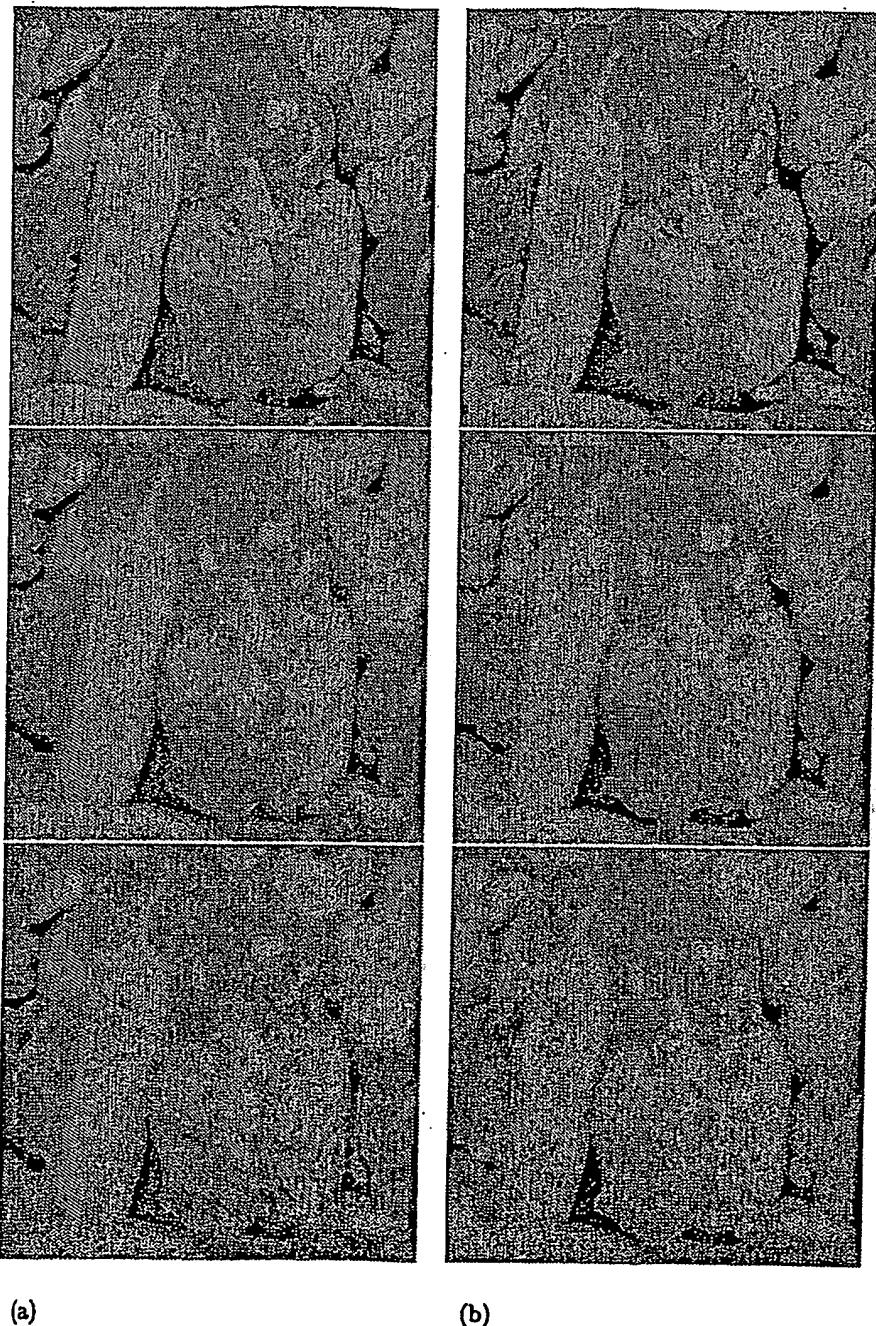


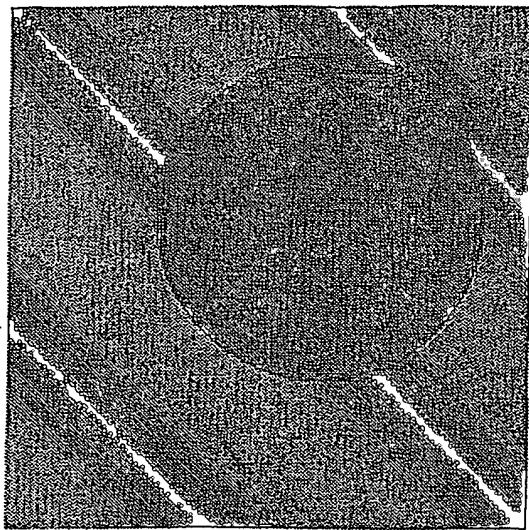
Figure 21

10/524323

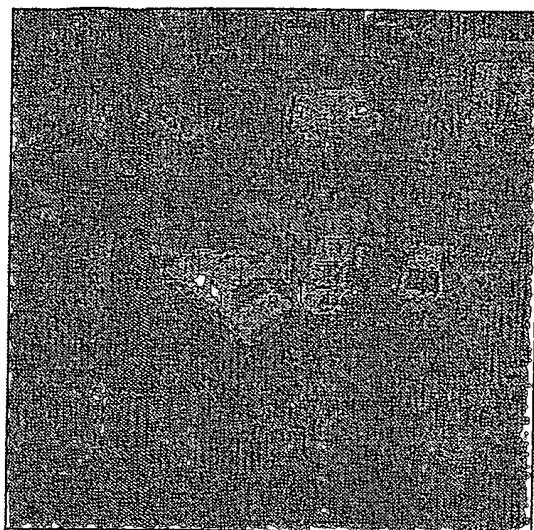
PCT/CA2003/001214

WO 2004/015631

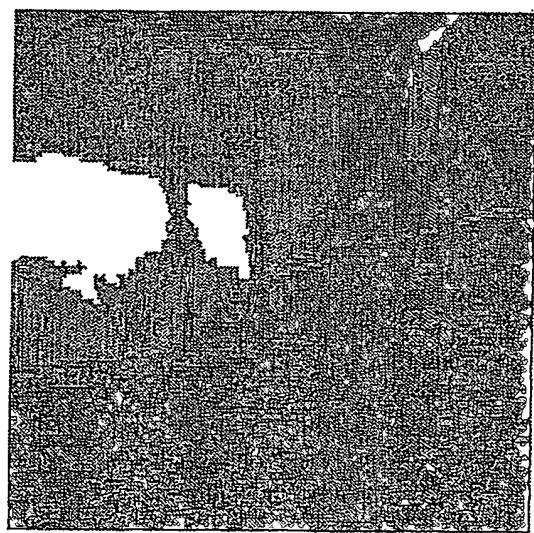
8/37



(a)



(b)



(c)

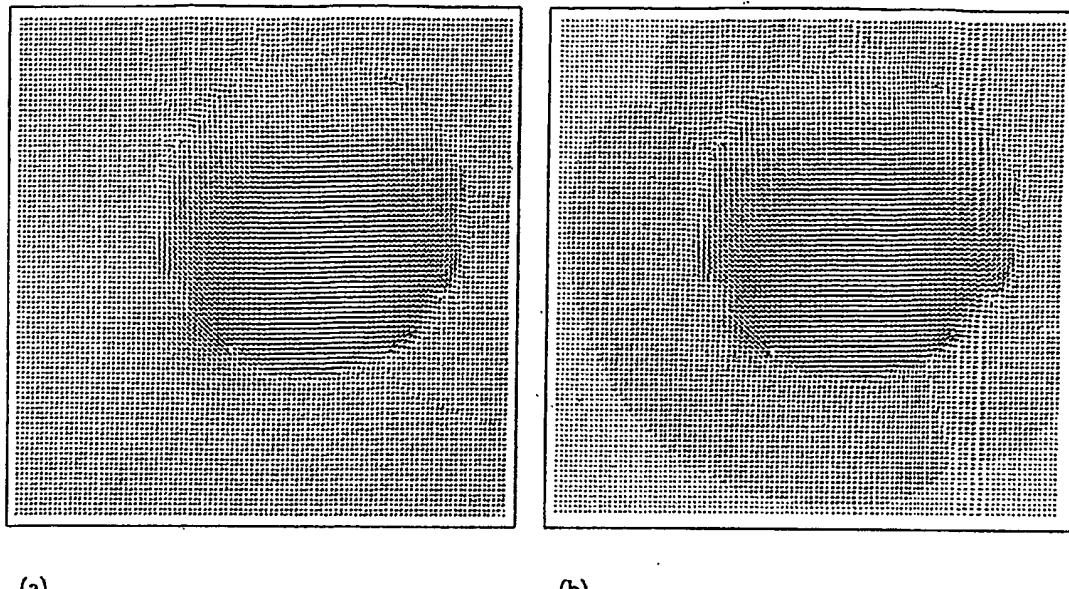
Figure 22

101524323

WO 2004/015631

PCT/CA2003/001214

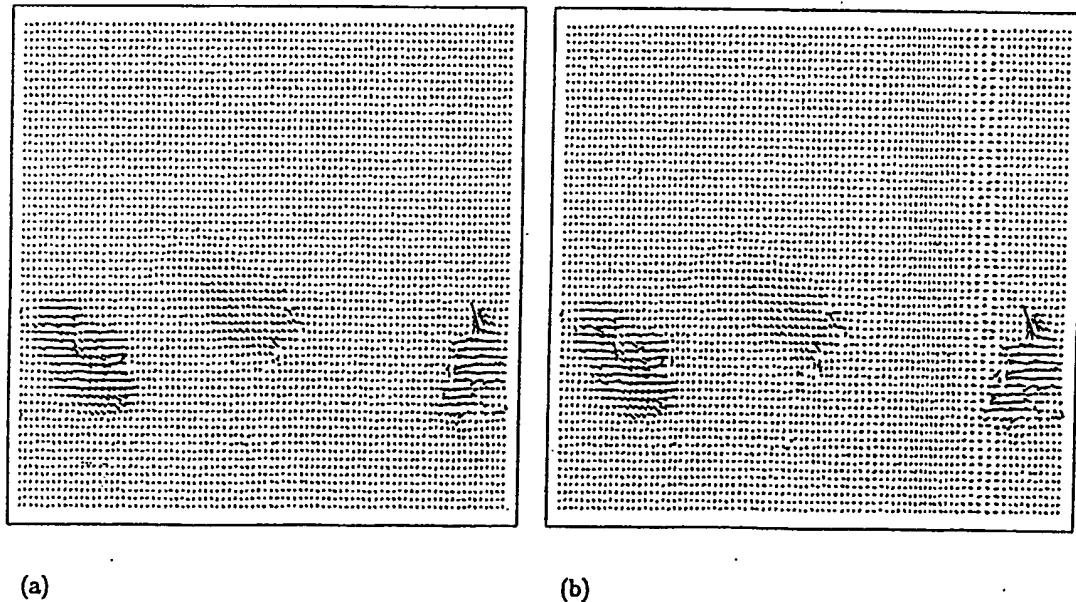
9/37



(a)

(b)

Figure 23



(a)

(b)

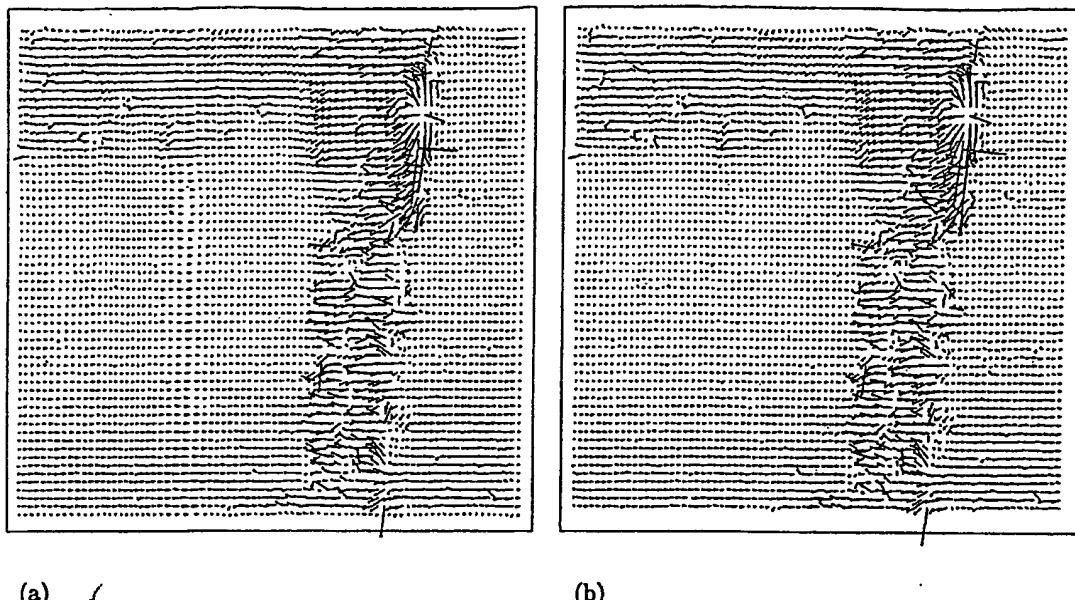
Figure 24

101524323

WO 2004/015631

PCT/CA2003/001214

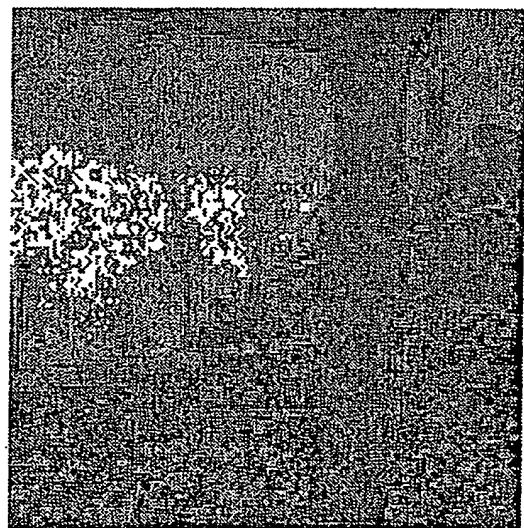
10/37



(a)

(b)

Figure 25



(a)

Figure 26

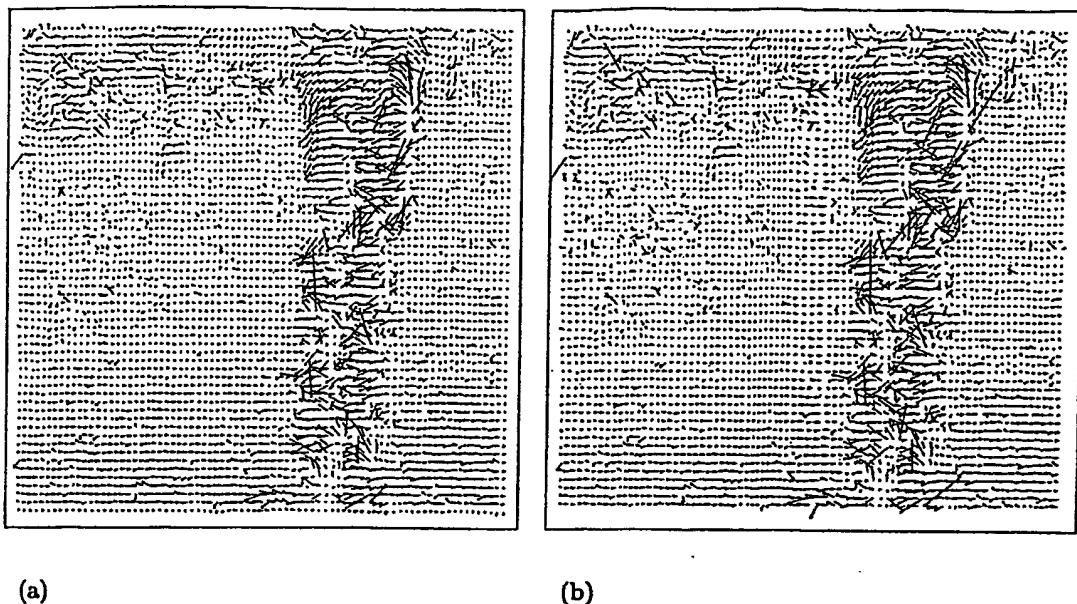
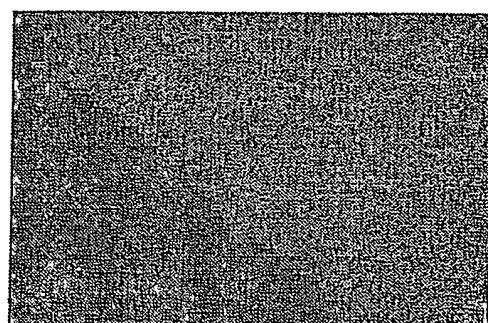
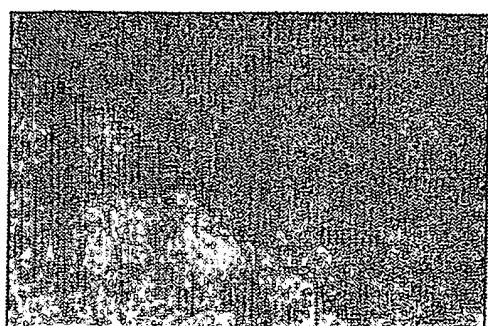


Figure 27



(a)



(b)



(c)

Figure 28

10 / 524323

WO 2004/015631

PCT/CA2003/001214

12/37

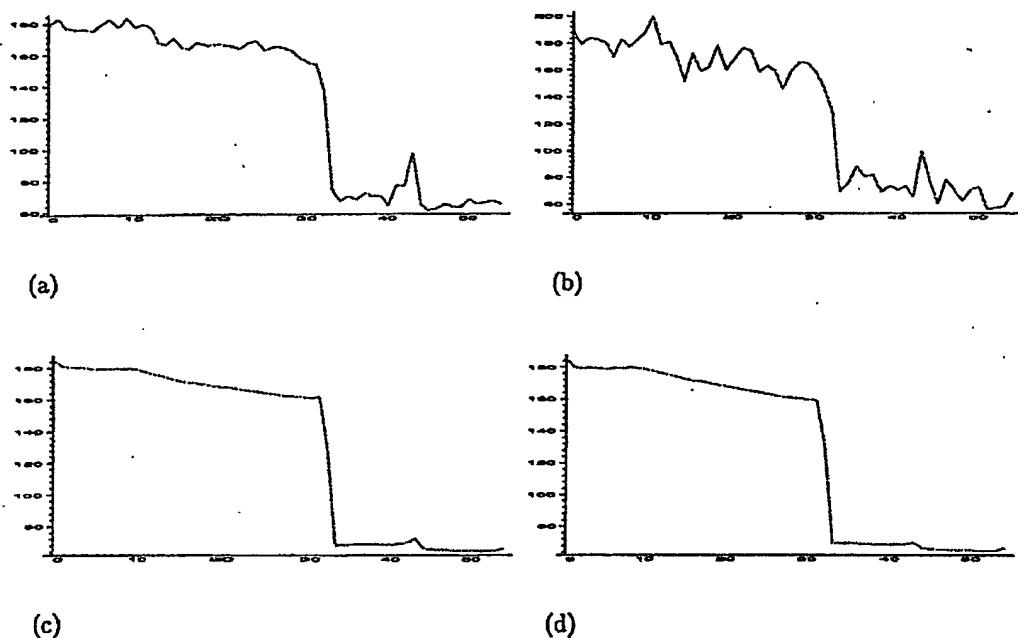


Figure 29

101524323

WO 2004/015631

PCT/CA2003/001214

13/37

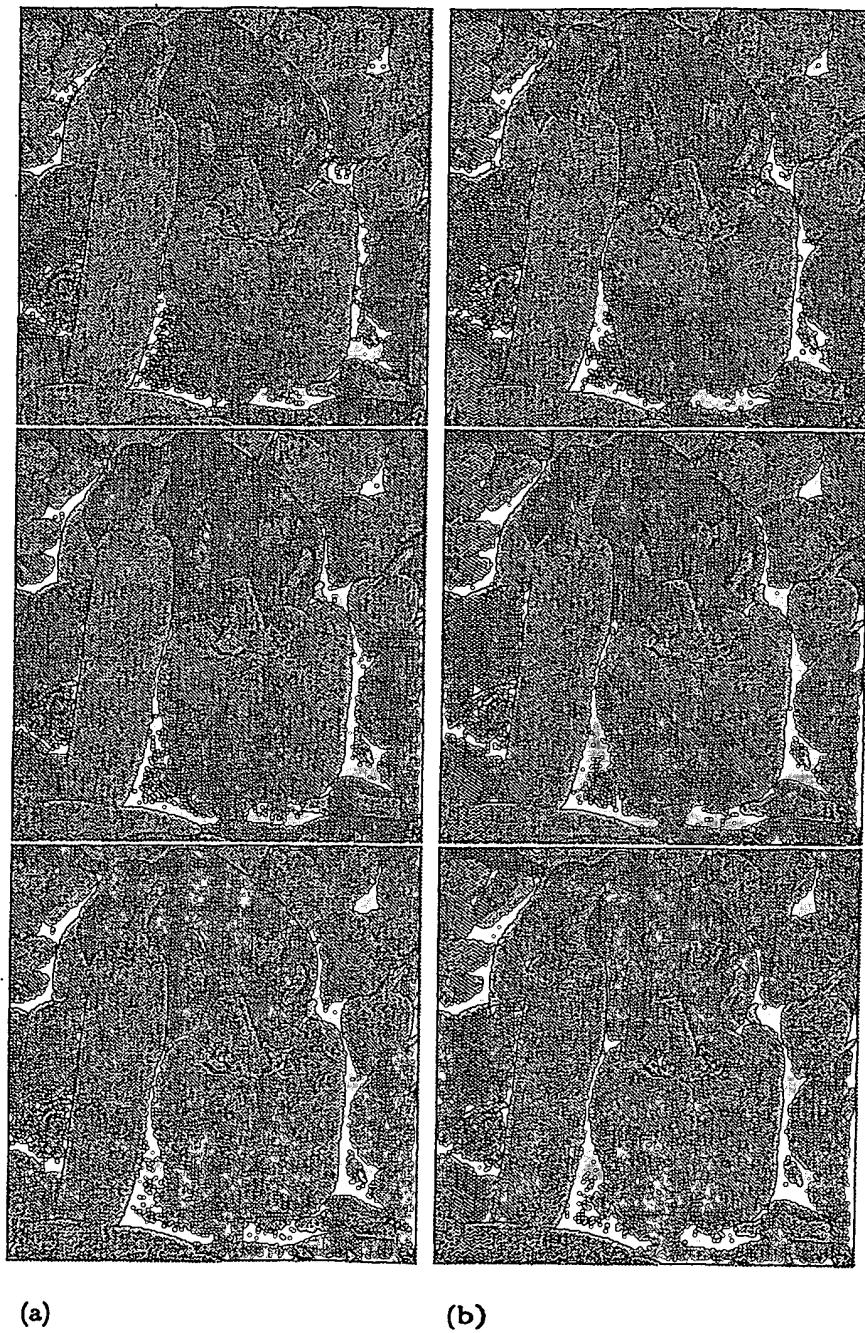


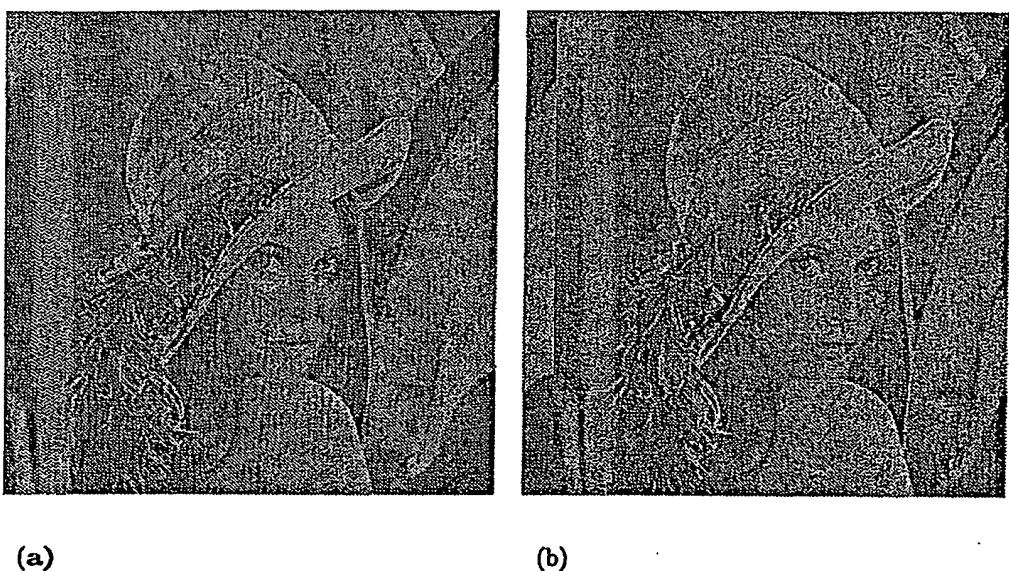
Figure 30

10/524323

WO 2004/015631

PCT/CA2003/001214

14/37



(a)

(b)

Figure 31

10/524323

PCT/CA2003/001214

WO 2004/015631

15/37

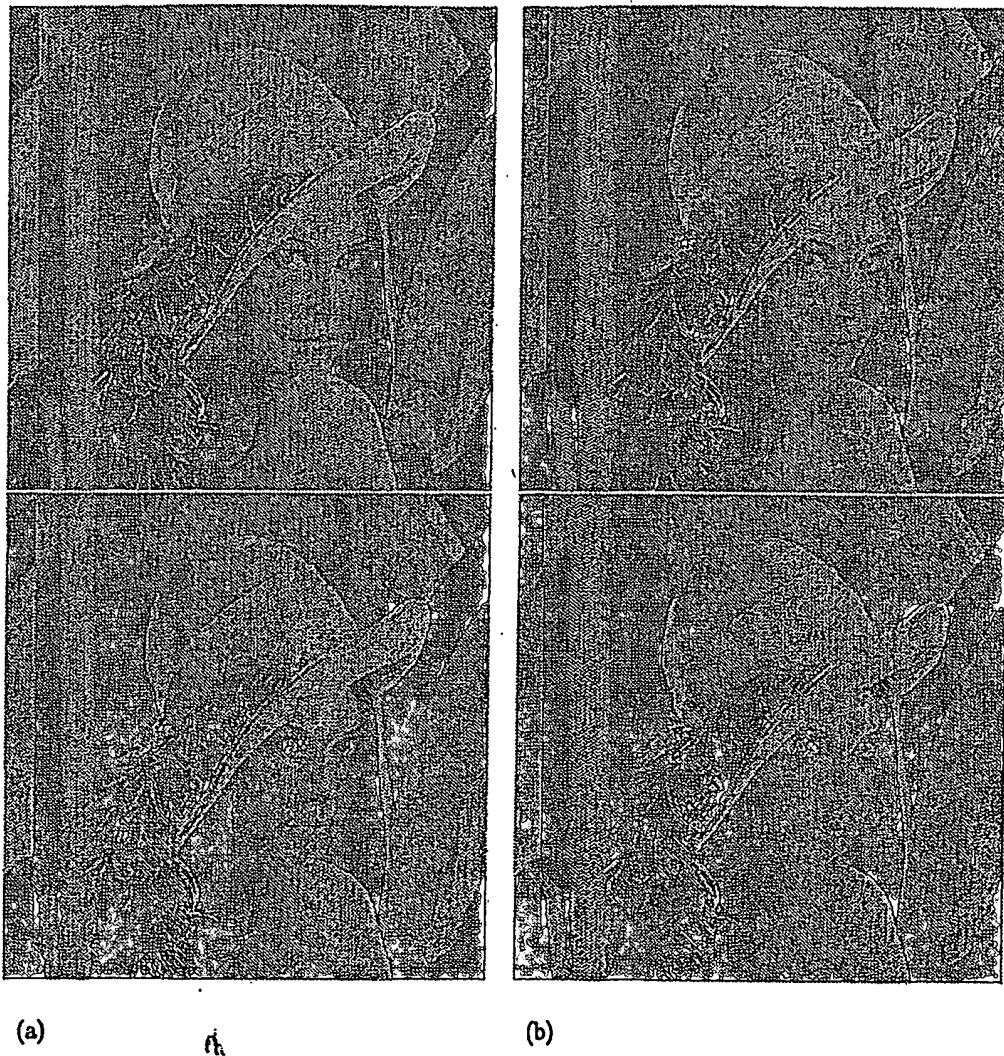
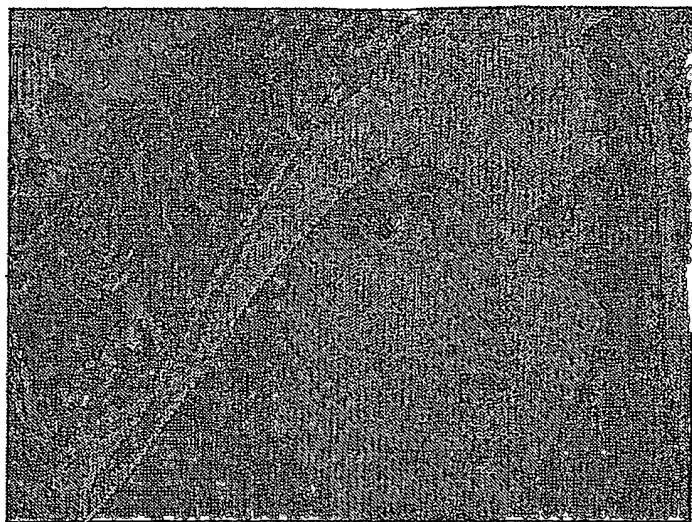
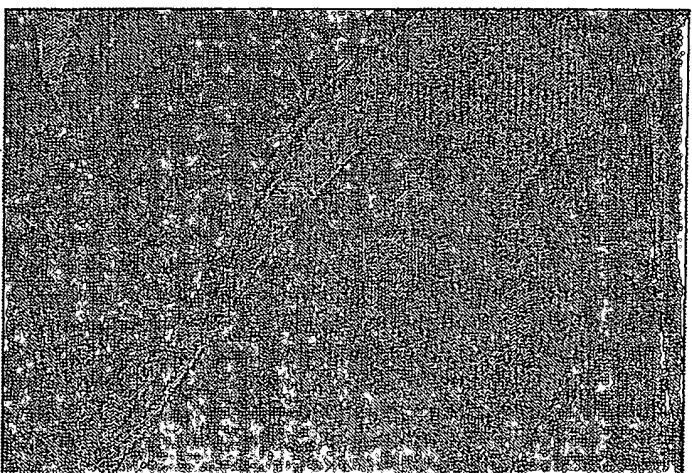


Figure 32



(a)



(b)

Figure 33

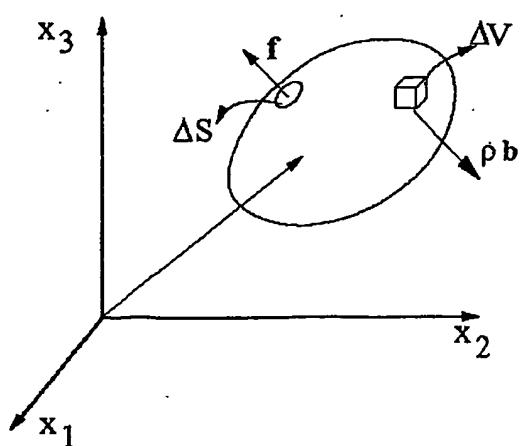


Figure 34

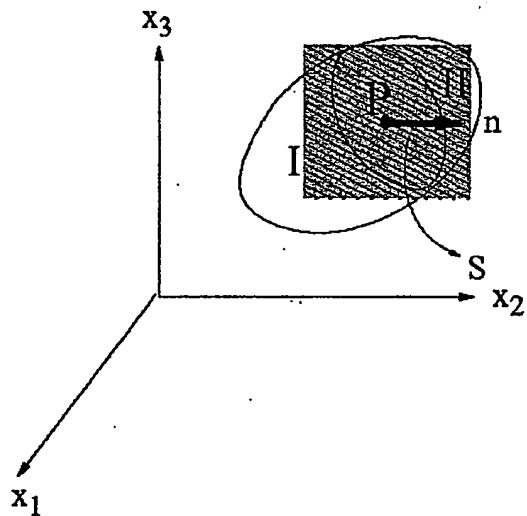


Figure 35

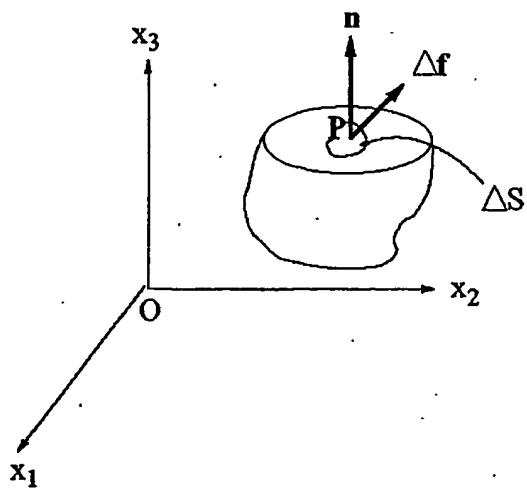


Figure 36

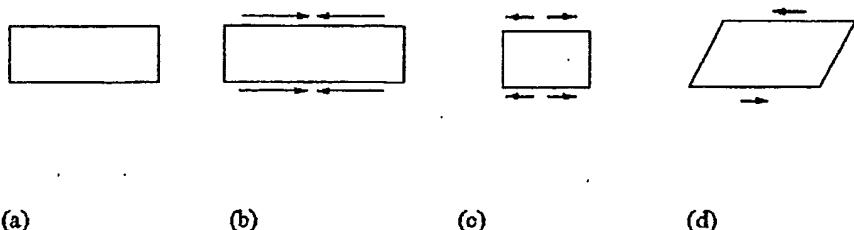


Figure 37

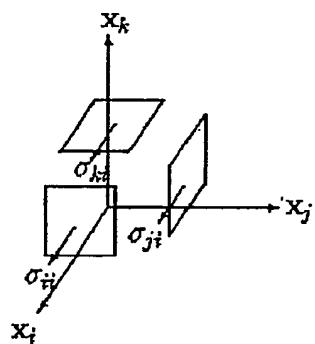


Figure 38

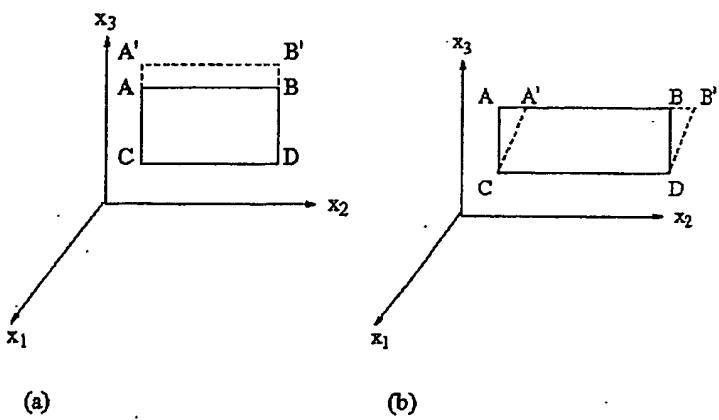


Figure 39

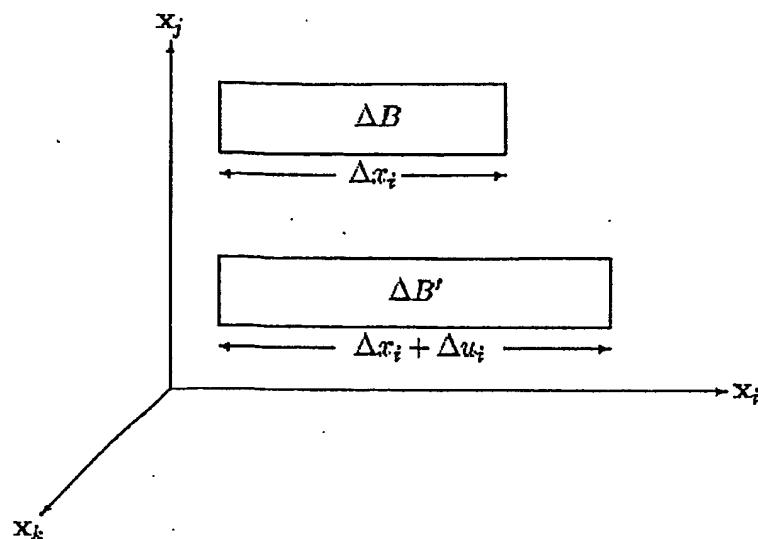


Figure 40

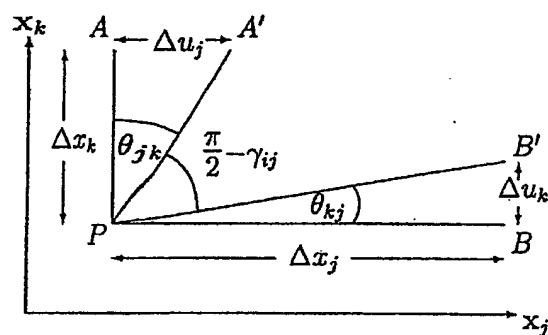


Figure 41

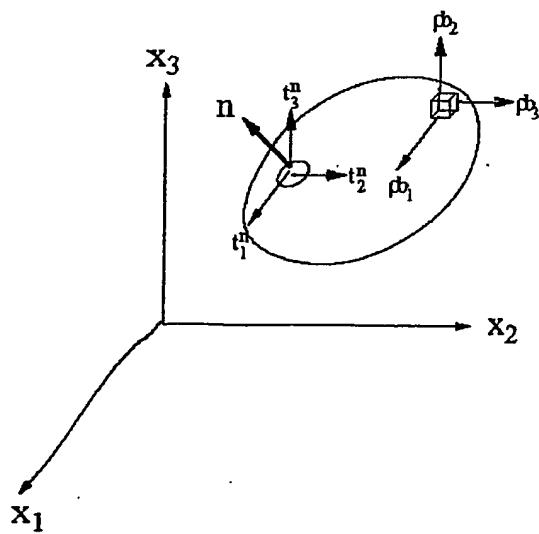


Figure 42

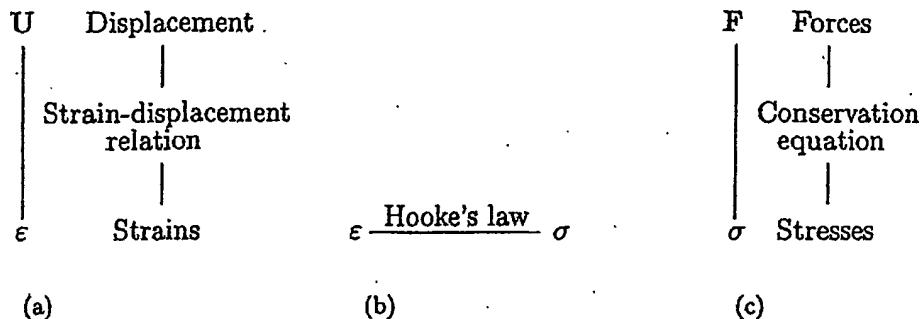


Figure 43

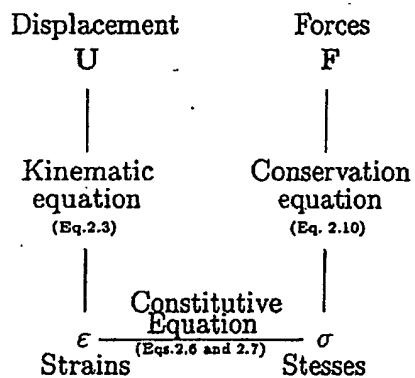


Figure 44

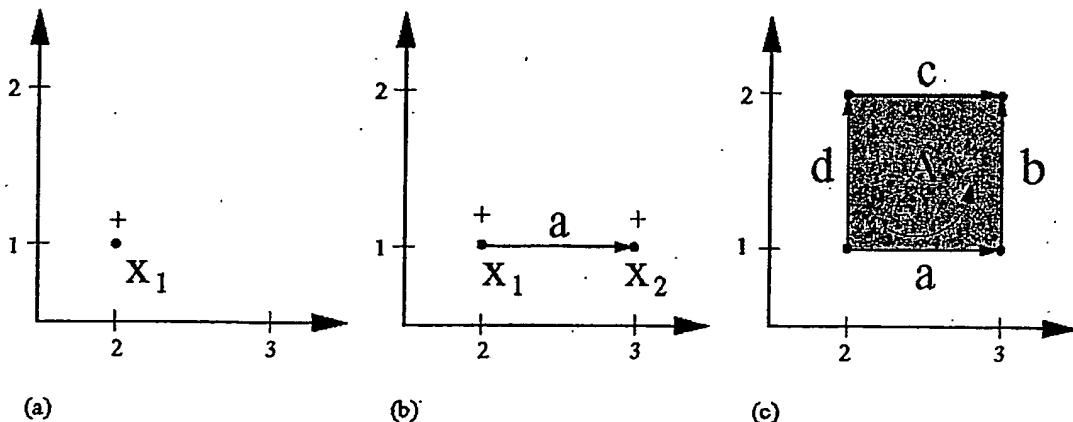


Figure 45

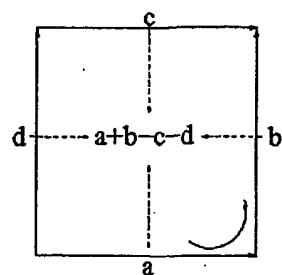


Figure 46

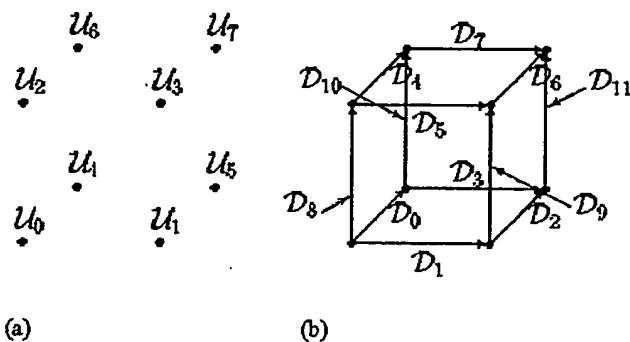


Figure 47

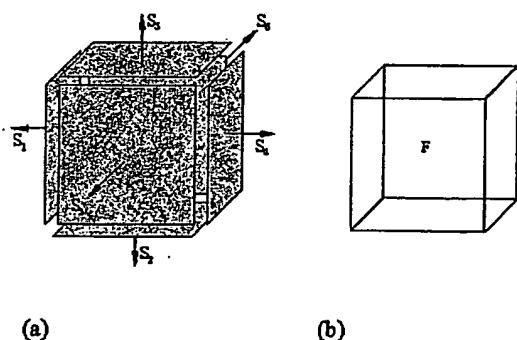


Figure 48

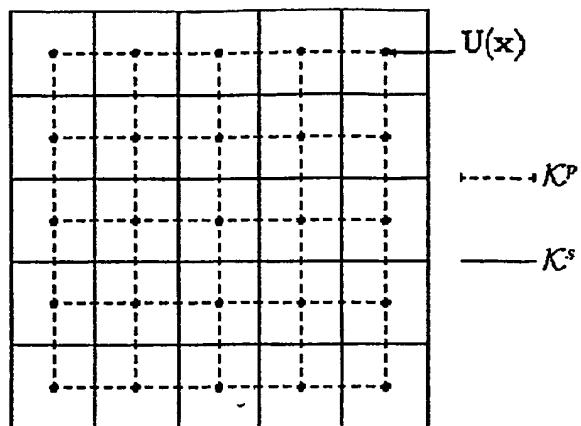


Figure 49

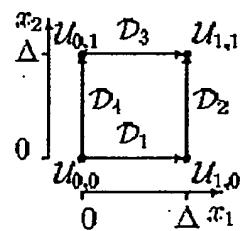


Figure 50

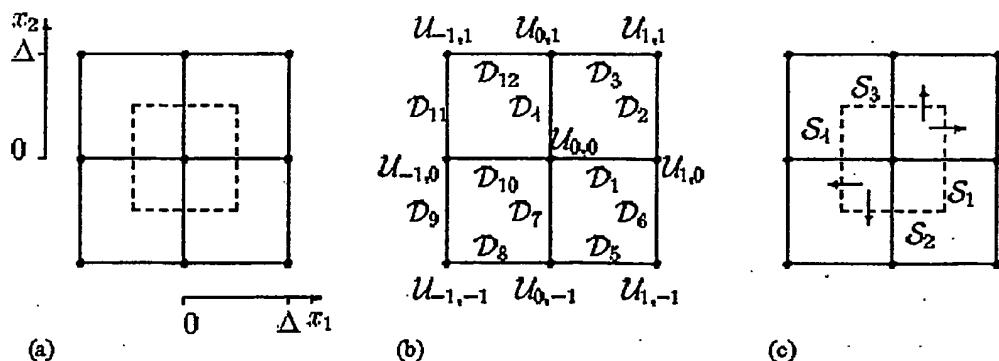


Figure 51

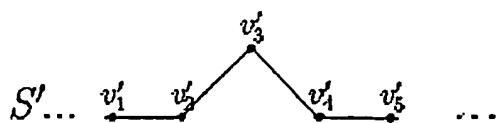
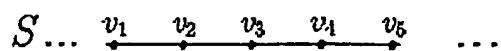


Figure 52

Material	Young's modulus of elasticity ($\times 10^6$ psi)	Poisson's ratio
Aluminium	10	0.33
Iron	29	0.28
Magnesium	6.5	0.33
Nickel	30	0.31
Soft rubber	0.00015	0.49

Figure 53

10/524323

PCT/CA2003/001214

WO 2004/015631

24/37



(a)

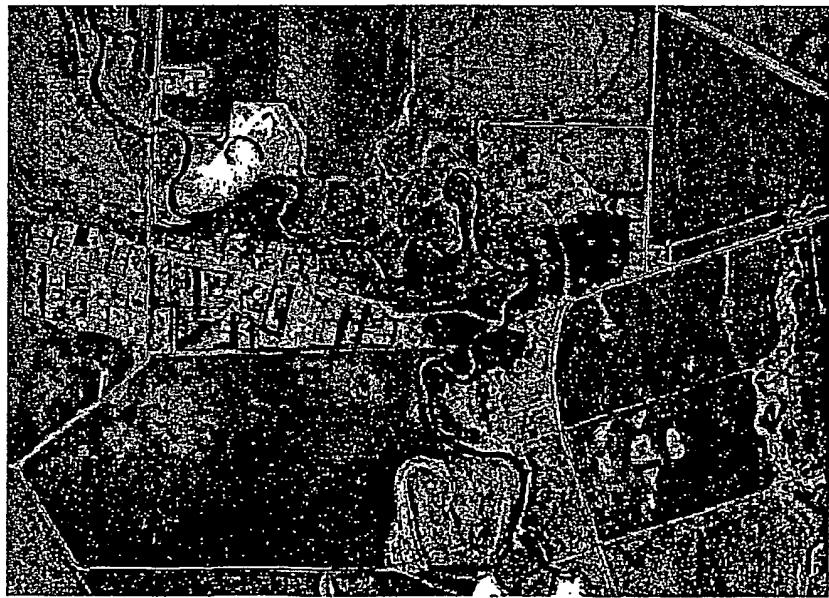


(b)

Figure 54



(a)



(b)

Figure 55

101524323

WO 2004/015631

101524323

101524323

PCT/CA2003/001214

26/37

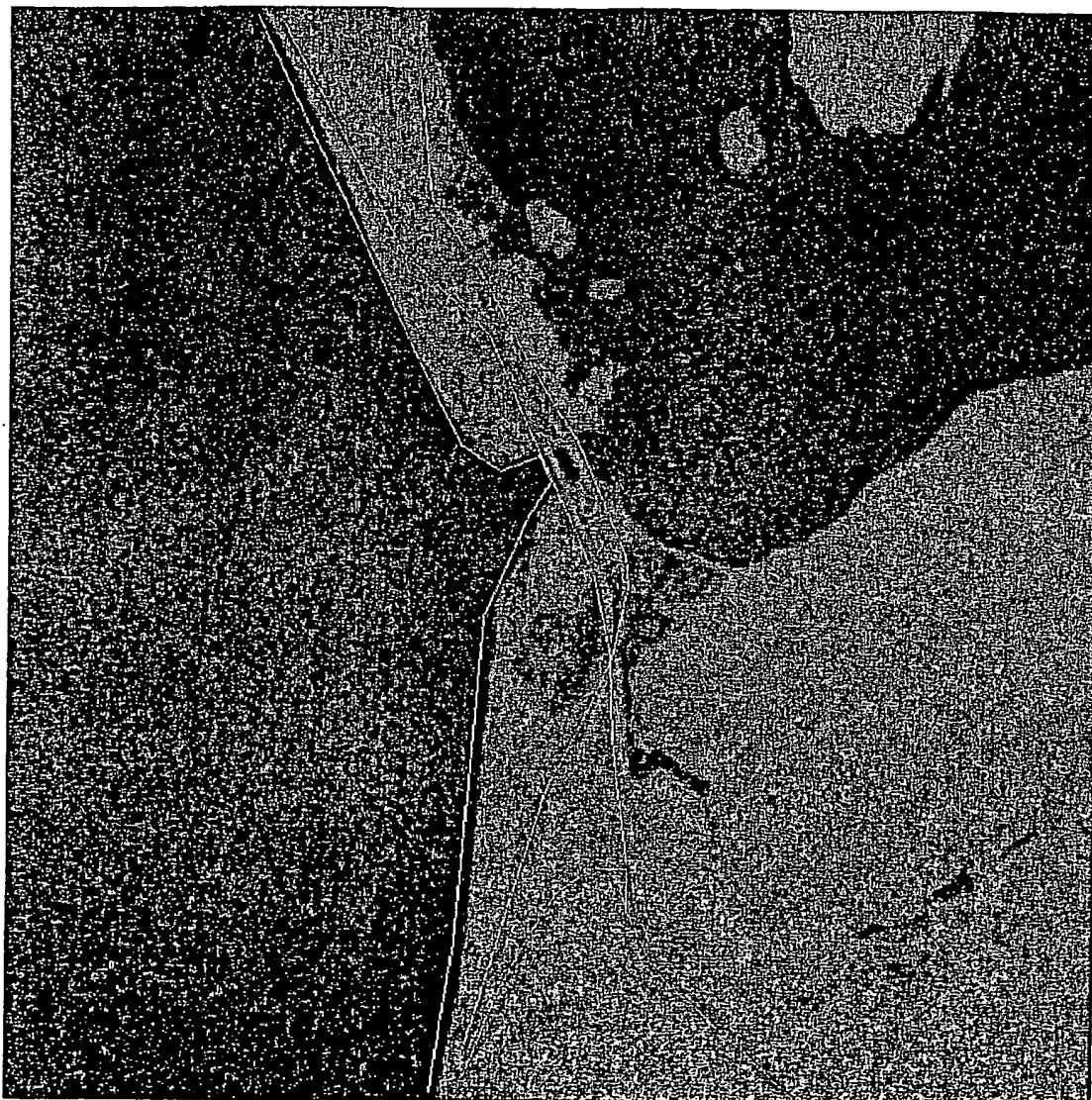


Figure 56

10/524323

PCT/CA2003/001214

WO 2004/015631

27/37



Figure 57

101524323

PCT/CA2003/001214

WO 2004/015631

28/37

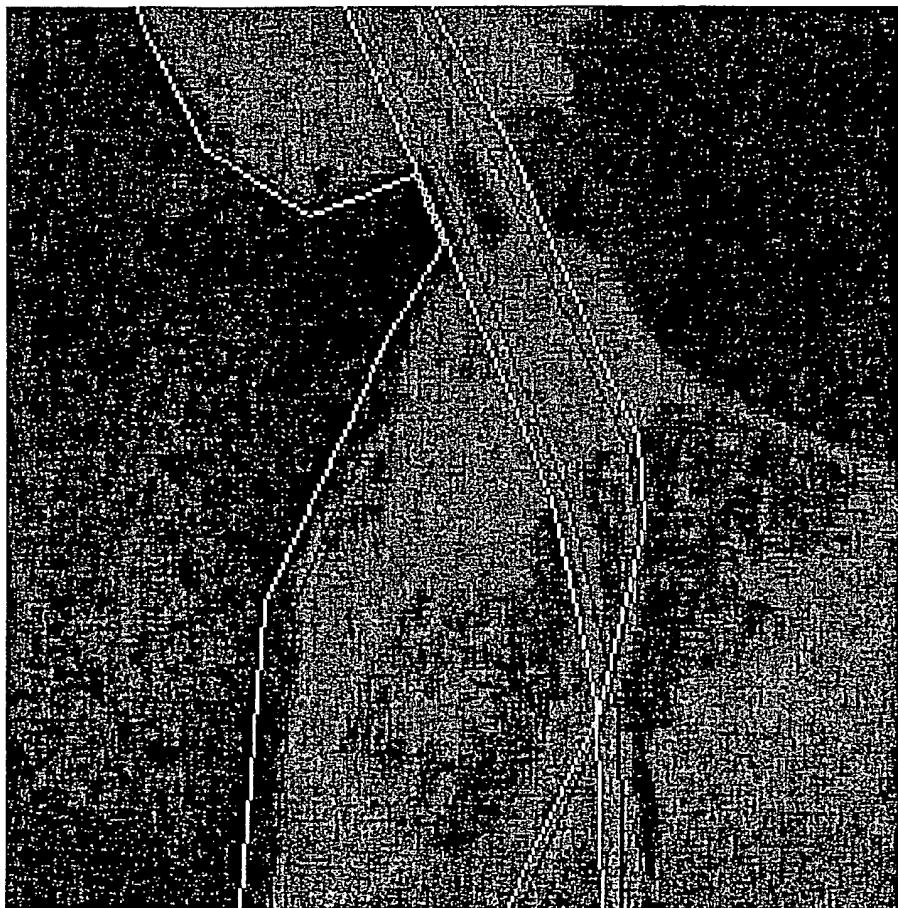


Figure 58



Figure 59

10 / 524323

WO 2004/015631

PCT/CA2003/001214

30/37

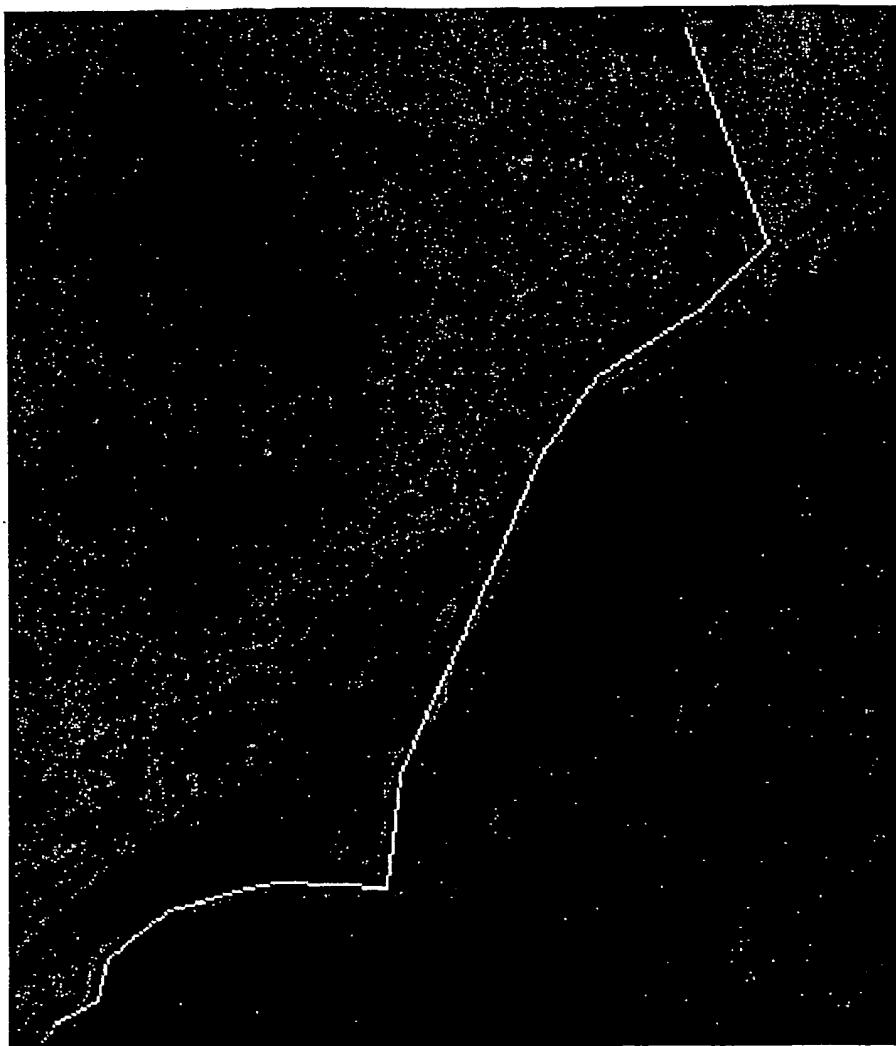


Figure 60

10/524323

PCT/CA2003/001214

WO 2004/015631

31/37

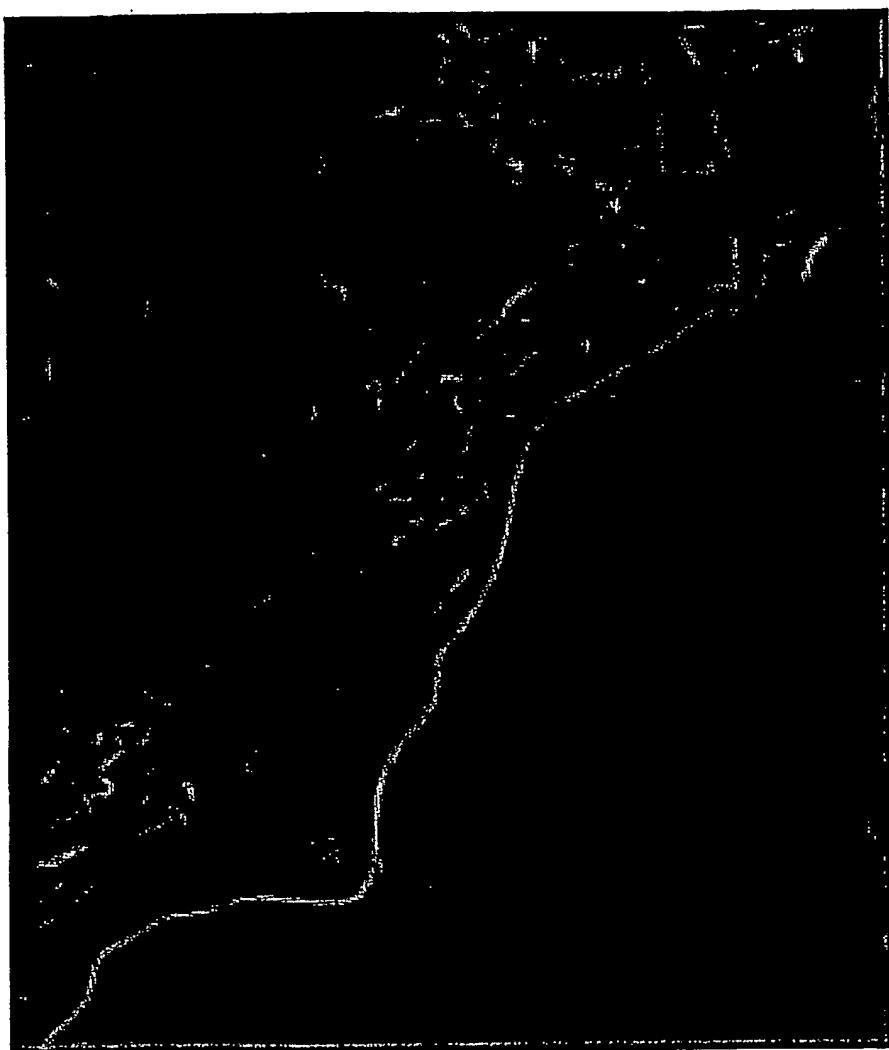


Figure 61

10 / 524323

WO 2004/015631

PCT/CA2003/001214

32/37

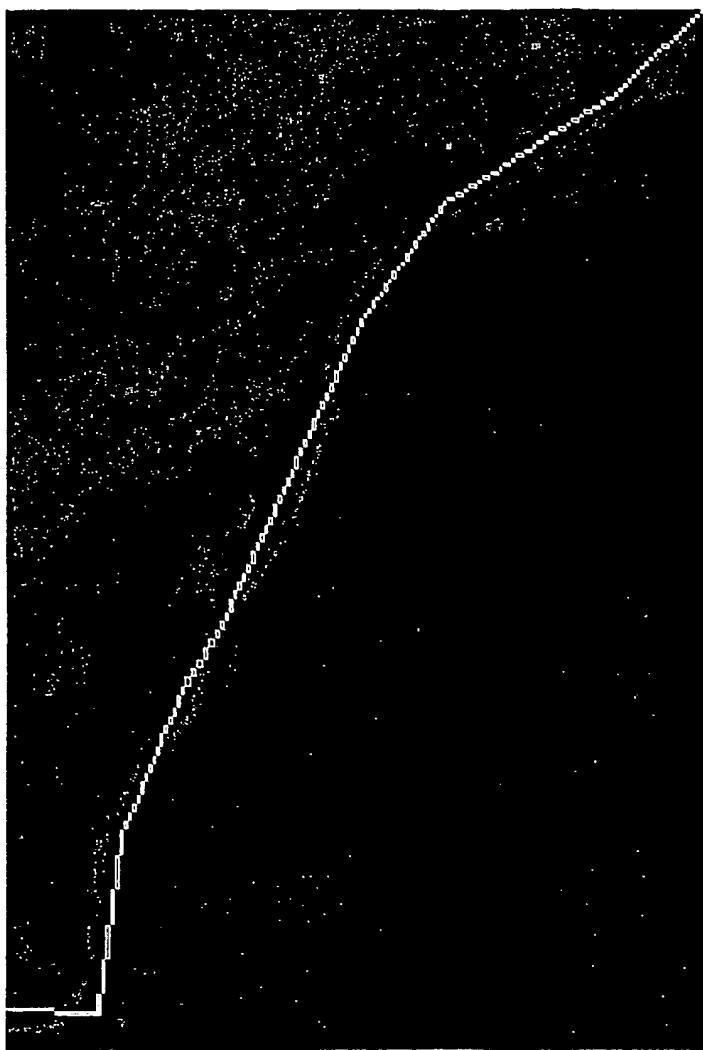


Figure 62

10/524323

PCT/CA2003/001214

WO 2004/015631

33/37

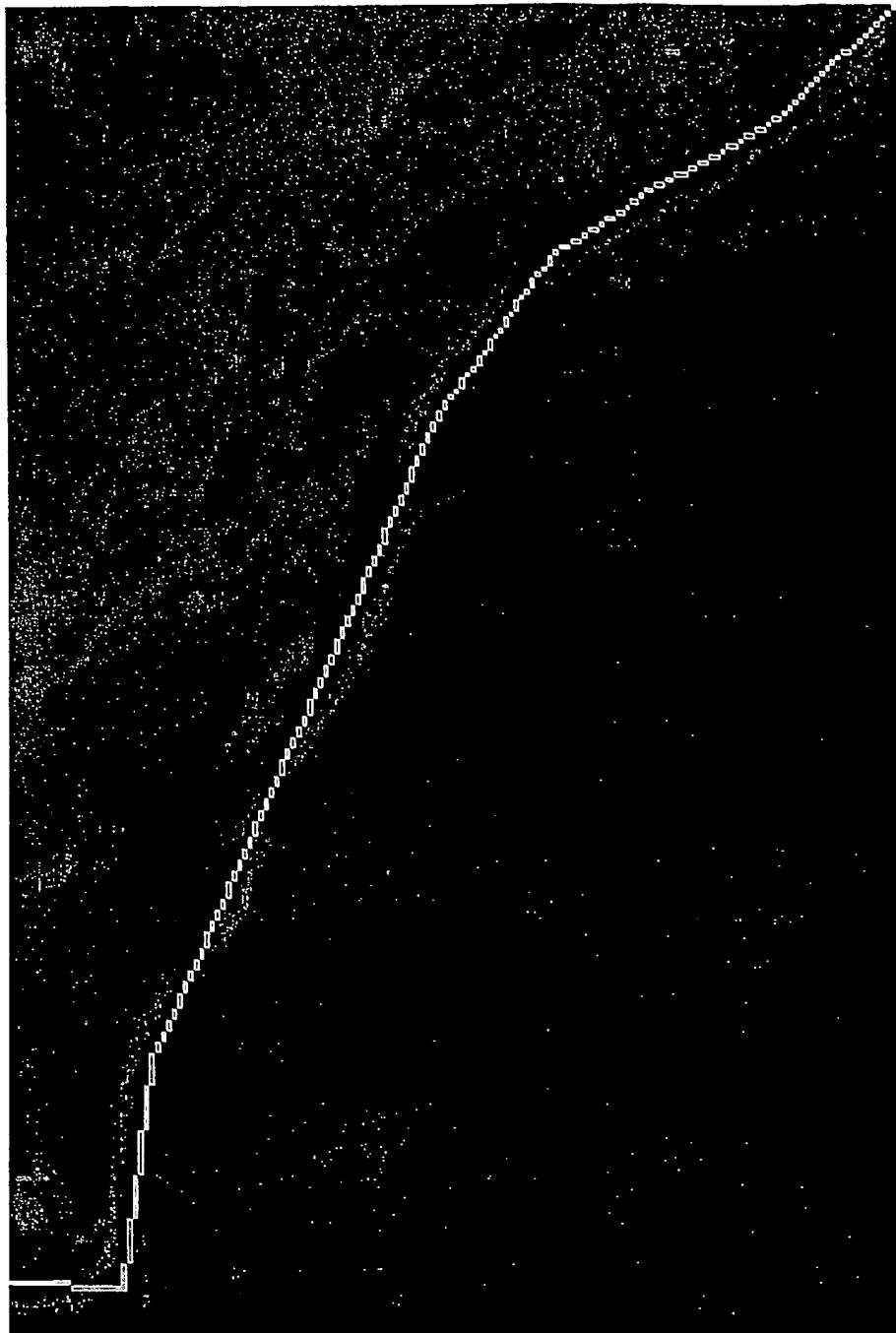


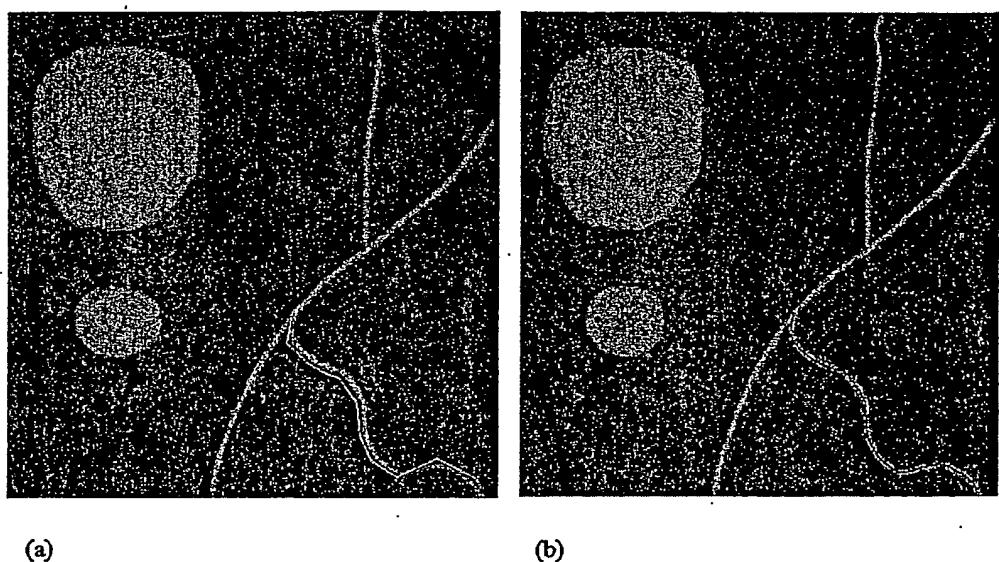
Figure 63

10/524323

PCT/CA2003/001214

WO 2004/015631

34/37



(a)

(b)

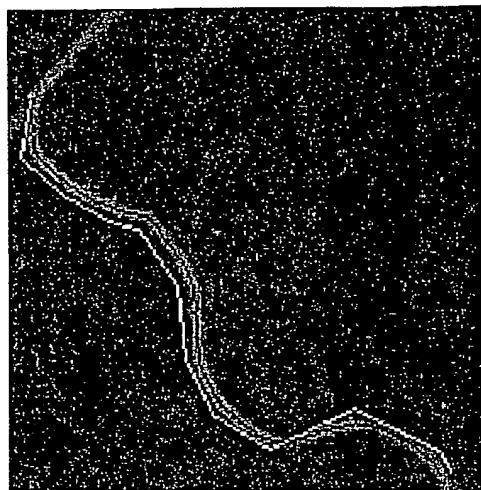
Figure 64

101524323

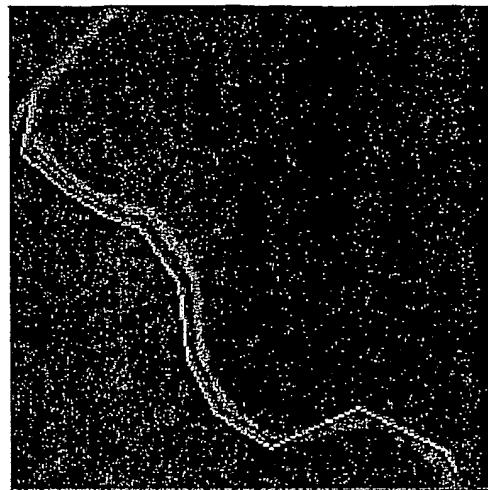
PCT/CA2003/001214

WO 2004/015631

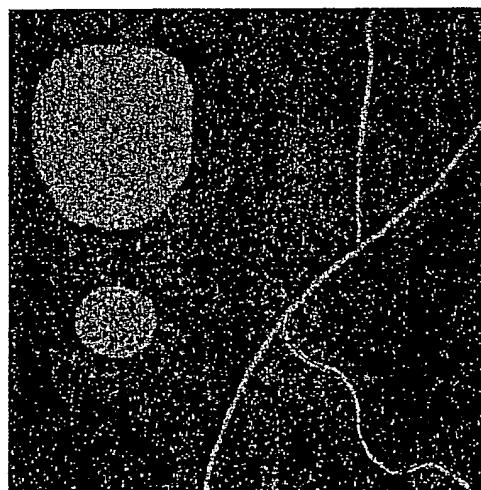
35/37



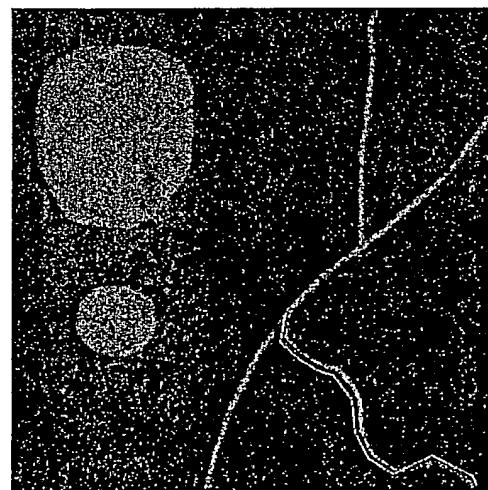
(a)



(b)



(c)



(d)

Figure 65

FIG: 66

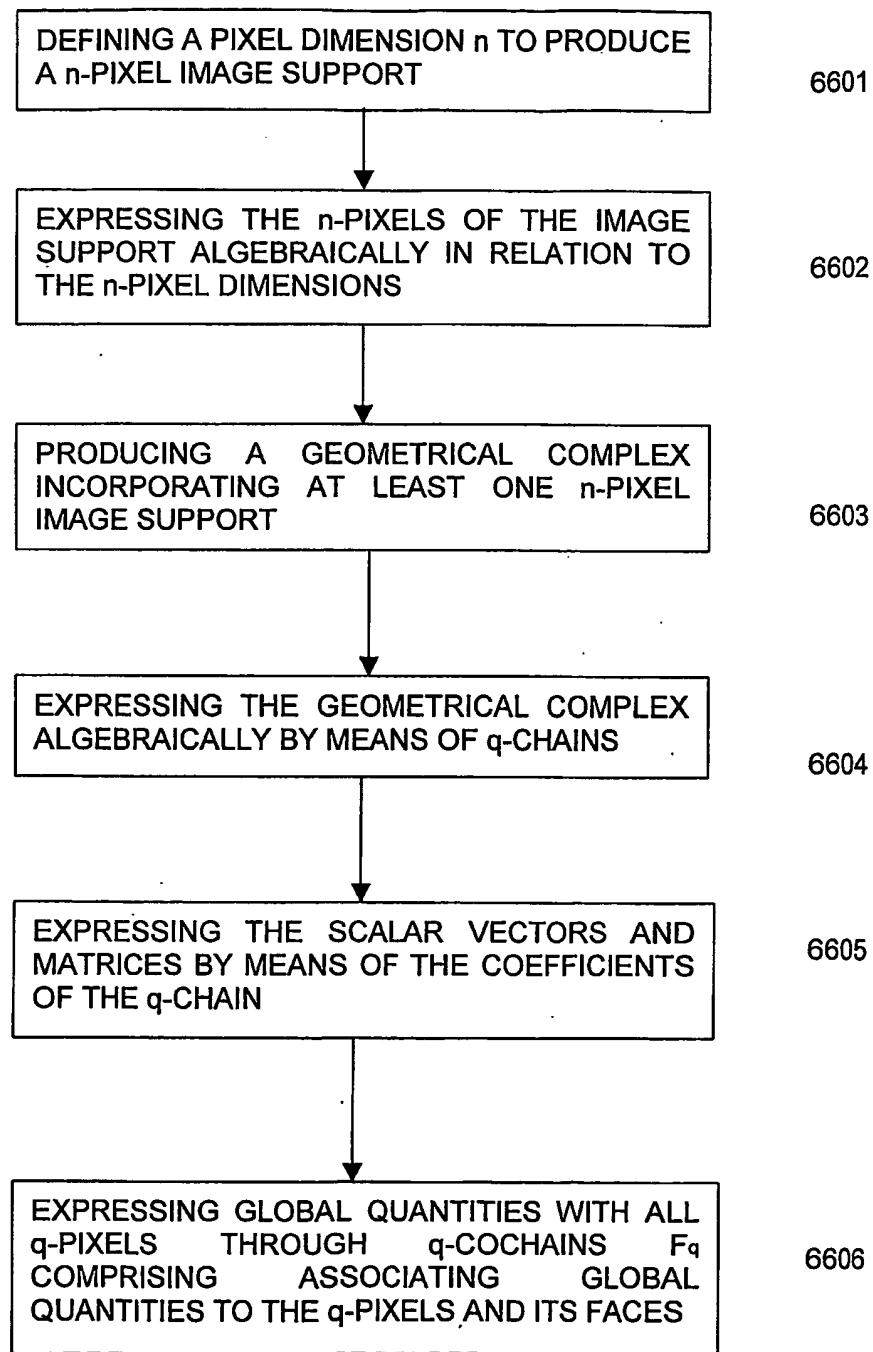
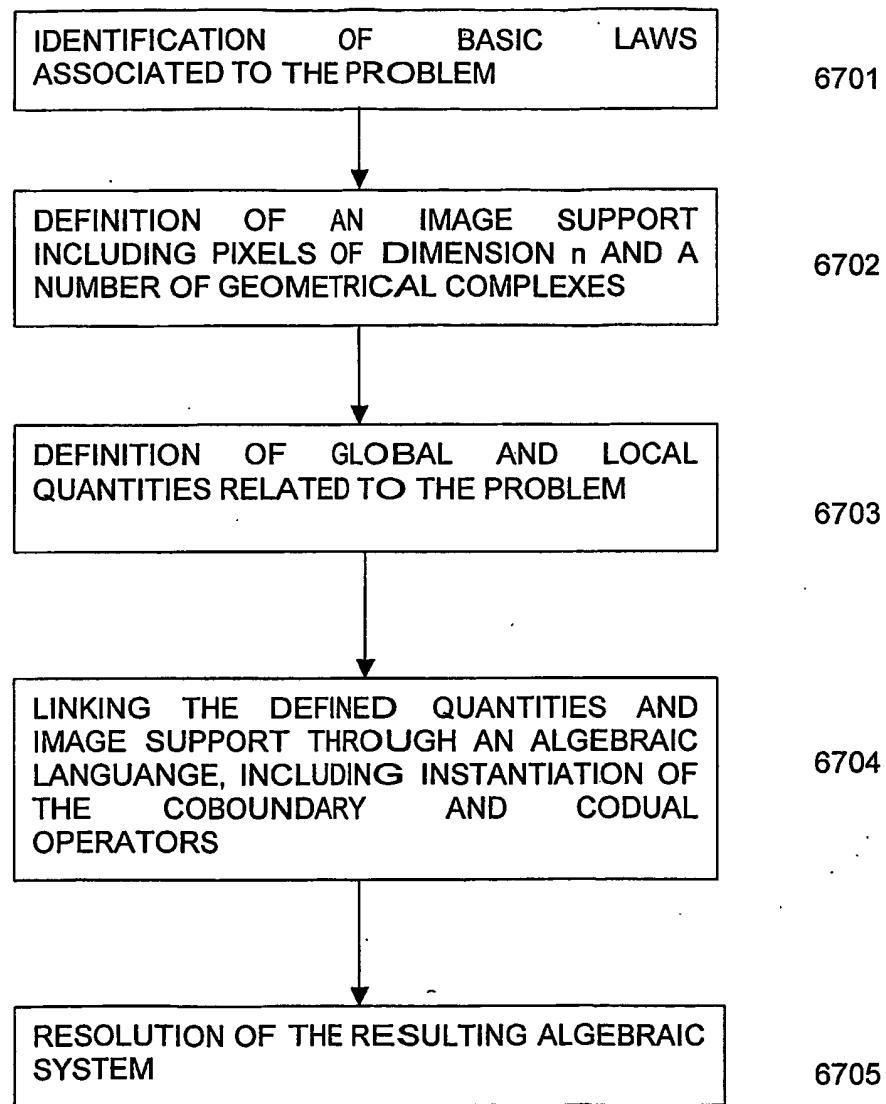


FIG: 67



**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.